

Notice of Allowability

Application No.

10/080,948

Applicant(s)

FORRESTER, TIM

Examiner

Shaima Q. Aminzay

Art Unit

2684

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to September 2, 2005.
2. ☒ The allowed claim(s) is/are 12-24.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

DETAILED ACTION

Allowable Subject Matter

1. Claims 12-24 are allowed.

Reasons for Allowance

2. The following is an examiner's statement of reason for allowance:

The applicant filed amendment on September 2, 2005 in response to the final office action mailed July 18, 2005, canceling the independent claims 1 and 26 puts the application in conditions for allowance. The independent claims 12, 15, 19, and 24 were allowed previously.

The prior art specifically Howell (Howell et al. U. S. Patent 6,542,119 B2) and Meredith (Meredith et al. U. S. Patent 6,052,605) are failed to render obviousness in combination or individually and failed to anticipate individually the following underlined limitations:

"A handheld wireless communications device, comprising: a first antenna; a second antenna; a switching module coupled to the first antenna and to the

second antenna; and a global positioning system (GPS) module coupled to the first antenna or the second antenna via the switching module, a duplexer coupled to the switching module; a receiver module coupled to the duplexer; and a transmitter module coupled to the duplexer, wherein the switching module is adapted to couple the GPS module to the first antenna or the second antenna as a function of a GPS reception characteristic of the first antenna or the second antenna and; wherein the switching module is adapted to couple the duplexer to the first antenna or the second antenna as a function of a communications reception characteristic or communication transmission characteristic of the first antenna or the second antenna." as disclosed in claim 12.

"A handheld wireless communications device, comprising: a first antenna; a second antenna; a switching module coupled to the first antenna and to the second antenna; and a global positioning system (GPS) module coupled to the first antenna or the second antenna via the switching module, a diplexer coupled to the switching module; a first communications band module coupled to the diplexer; and a second communications band module coupled to the diplexer, wherein the switching module is adapted to couple the GPS module to the first antenna or the second antenna as a function of a GPS reception characteristic of the first antenna or the second antenna and; wherein the switching module is adapted to couple the diplexer to the first antenna or the second antenna as a function of a communications reception characteristic or a communications

transmission characteristic of the first antenna or the second antenna." as disclosed in claim 15.

"A system for providing wireless communications, comprising: a first antenna; a second antenna; a GPS module; means for selecting one of the first antenna or the second antenna for use in receiving GPS information as a function of GPS receiving characteristics of the first antenna or the second antenna; means for coupling the received GPS information to a GPS module via one of the first antenna or the second antenna as selected by the selecting means; and means for coupling a communications transmitter module or a communications receiver module to the first antenna or the second antenna as selected by means for selecting the first antenna or the second antenna as a function of communications transmission characteristics or communications reception characteristics of the first antenna or the second antenna" as disclosed in claim 19.

"A method for providing a global positioning system (GPS) enabled wireless communications device, comprising the steps of: (a) selecting a first antenna or a second antenna for use in receiving GPS information as a function of GPS receiving characteristics of the first antenna or the second antenna; and (b) coupling the GPS information to a GPS signal processor via one of the first antenna or the second antenna as selected in step (a); and (c) simultaneously

receiving the GPS information and two-way wireless communications information over respective antennas via diversity switch.” as disclosed in claim 24.

For these reasons, independent claims 12, 15, 19, and 24 are allowed.

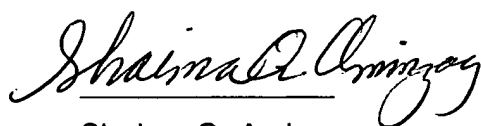
Claims 13-14, 16-18, and 21-23 are dependent on the independent claims 12, 15, 19, and 24 are allowed under the same reasons set forth in claims 12, 15, 19, and 24.

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance”.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shaima Q. Aminzay whose telephone number is 571-276-7874. The examiner can normally be reached on 7:00 AM -5:00 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nay Maung can be reached on 571-272-7882. The fax number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Shaima Q. Aminzay
(Examiner)

September 14, 2005


NAY MAUNG
SUPERVISORY PATENT EXAMINER

Nay A. Maung
(SPE)

Art Unit 2684